

Serial No.: 09/103,287
Group Art Unit: 1633

In the Claims:

Please cancel claims 1-17 without prejudice or disclaimer of the subject matter contained therein and enter the following new claims:

[--] 18. An isolated polynucleotide segment comprising a first polynucleotide sequence or the full complement of the entire length of the first polynucleotide sequence, wherein the first polynucleotide sequence encodes a polypeptide comprising the amino acid sequence of SEQ ID NO:2.

A1 [--] 19. A vector comprising the isolated polynucleotide segment of claim 18.

[--] 20. An isolated host cell comprising the vector of claim 19.

[--] 21. A process for producing a polypeptide comprising the step of culturing the host cell of claim 20 under conditions sufficient for the production of the polypeptide, wherein the polypeptide is encoded by the first polynucleotide sequence.

GB [--] 22. An isolated polynucleotide segment comprising a first polynucleotide sequence or the full complement of the entire length of the first polynucleotide sequence, wherein the first polynucleotide sequence encodes a polypeptide consisting of an amino acid sequence of SEQ ID NO:2.

[--] 23. A vector comprising the isolated polynucleotide segment of claim 22.

[--] 24. An isolated host cell comprising the vector of claim 23.

[--] 25. A process for producing a polypeptide comprising the step of culturing the host cell of claim 24 under conditions sufficient for the production of the polypeptide, wherein the polypeptide is encoded by the first polynucleotide sequence.

Serial No.: 09/103,287

Group Art Unit: 1633

Sub B2 [---] 26. An isolated polynucleotide segment comprising a first polynucleotide sequence or the full complement of the entire length of the first polynucleotide sequence wherein the first polynucleotide sequence is identical to SEQ ID NO:1.

[---] 27. A vector comprising the isolated polynucleotide segment of claim 26.

[---] 28. An isolated host cell comprising the vector of claim 27.

[---] 29. A process for producing a polypeptide comprising the step of culturing the host cell of claim 28 under conditions sufficient for the production of the polypeptide, wherein the polypeptide is encoded by the first polynucleotide sequence.

Sub B3 [---] 30. A polynucleotide which encodes a fusion polypeptide and which includes the isolated polynucleotide segment of claim 26.

AI cont. [---] 31. An isolated polynucleotide segment comprising a first polynucleotide sequence or the full complement of the entire length of the first polynucleotide sequence, wherein the first polynucleotide sequence encodes a polypeptide comprising the amino acid sequence of SEQ ID NO:4.

[---] 32. A vector comprising the isolated polynucleotide segment of claim 31.

[---] 33. An isolated host cell comprising the vector of claim 32.

[---] 34. A process for producing a polypeptide comprising the step of culturing the host cell of claim 33 under conditions sufficient for the production of the polypeptide, wherein the polypeptide is encoded by the first polynucleotide sequence.

Sub B4 [---] 35. An isolated polynucleotide segment comprising a first polynucleotide sequence or the full complement of the entire length of the first polynucleotide sequence, wherein the first

Serial No.: 09/103,287

Group Art Unit: 1633

Sub B3
polynucleotide sequence encodes a polypeptide consisting of an amino acid sequence of SEQ ID NO:4.

[--] 36. A vector comprising the isolated polynucleotide segment of claim 35.

[--] 37. An isolated host cell comprising the vector of claim 36.

[--] 38. A process for producing a polypeptide comprising the step of culturing the host cell of claim 37 under conditions sufficient for the production of the polypeptide, wherein the polypeptide is encoded by the first polynucleotide sequence.

Sub B5
[--] 39. An isolated polynucleotide segment comprising a first polynucleotide sequence or the full complement of the entire length of the first polynucleotide sequence wherein the first polynucleotide sequence is identical to SEQ ID NO:3.

[--] 40. A vector comprising the isolated polynucleotide segment of claim 39.

[--] 41. An isolated host cell comprising the vector of claim 40.

[--] 42. A process for producing a polypeptide comprising the step of culturing the host cell of claim 41 under conditions sufficient for the production of the polypeptide, wherein the polypeptide is encoded by the first polynucleotide sequence.

Sub B6
[--] 43. A polynucleotide which encodes a fusion polypeptide and which includes the isolated polynucleotide segment of claim 39.

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REMARKS

Applicant respectfully requests that this Preliminary Amendment be entered in this case before the examination thereof.